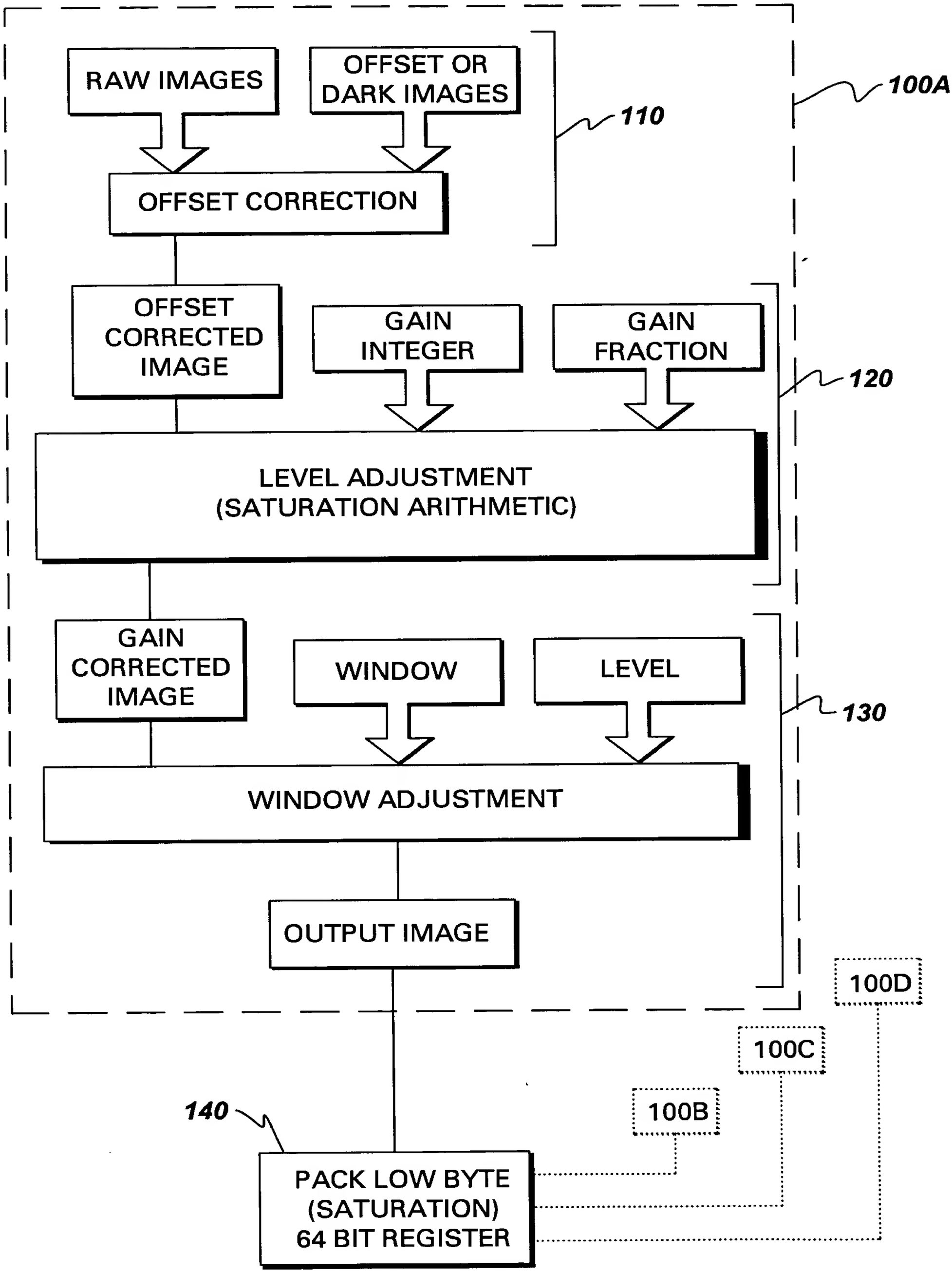

RAW IMAGES
OFFSET OR DARK IMAGES
OFFSET CORRECTION
OFFSET CORRECTED IMAGE
GAIN INTEGER
GAIN FRACTION
LEVEL ADJUSTMENT (SATURATION ARITHMETIC)
GAIN CORRECTED IMAGE
WINDOW
LEVEL
WINDOW ADJUSTMENT
OUTPUT IMAGE
PACK LOW BYTE (SATURATION) 64 BIT REGISTER
110
120
130
140
100A
100B
100C
100D

Fig. 1

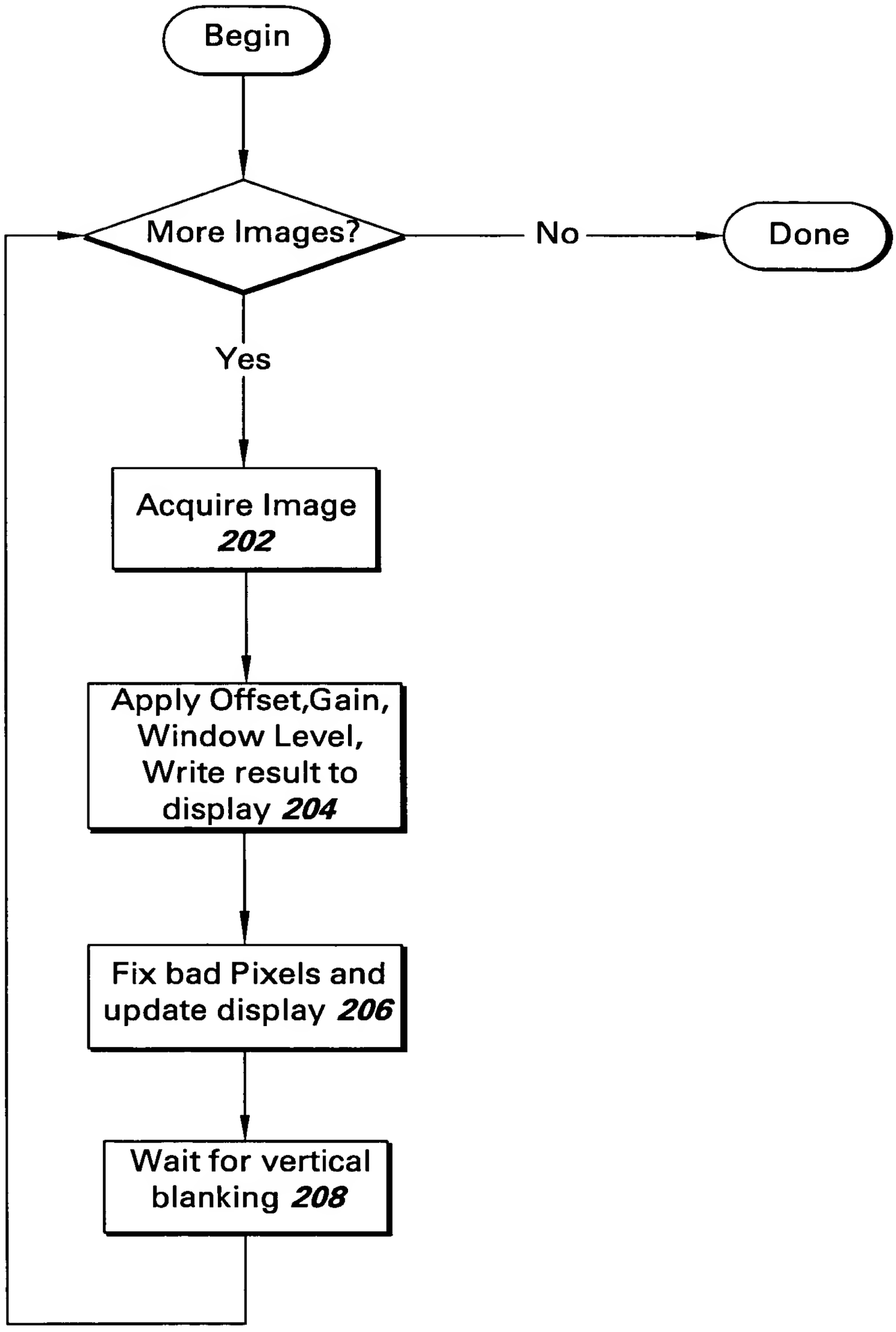
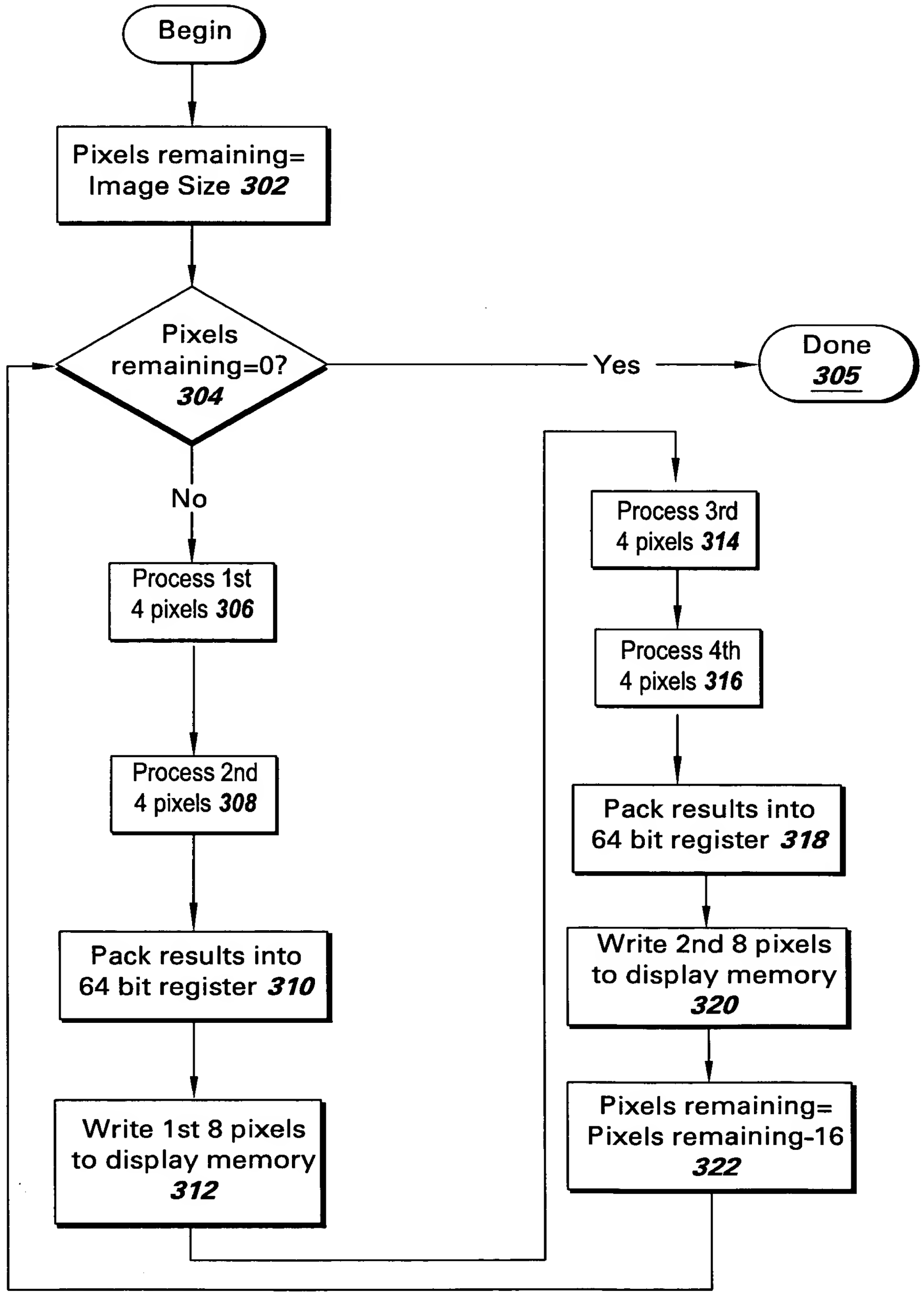

Begin
More Images?
No
Done
Yes
Acquire Image 202
Apply Offset,Gain, Window Level, Write result to display 204
Fix bad Pixels and update display 206
Wait for vertical blanking 208

Fig. 2

Fig. 3


Begin
Pixels remaining= Image Size 302
Pixels remaining=0? 304
Yes
Done 305
No
Process 1st 4 pixels 306
Process 2nd 4 pixels 308
Pack results into 64 bit register 310
Write 1st 8 pixels to display memory 312
Process 3rd 4 pixels 314
Process 4th 4 pixels 316
Pack results into 64 bit register 318
Write 2nd 8 pixels to display memory 320
Pixels remaining= Pixels remaining-16 322

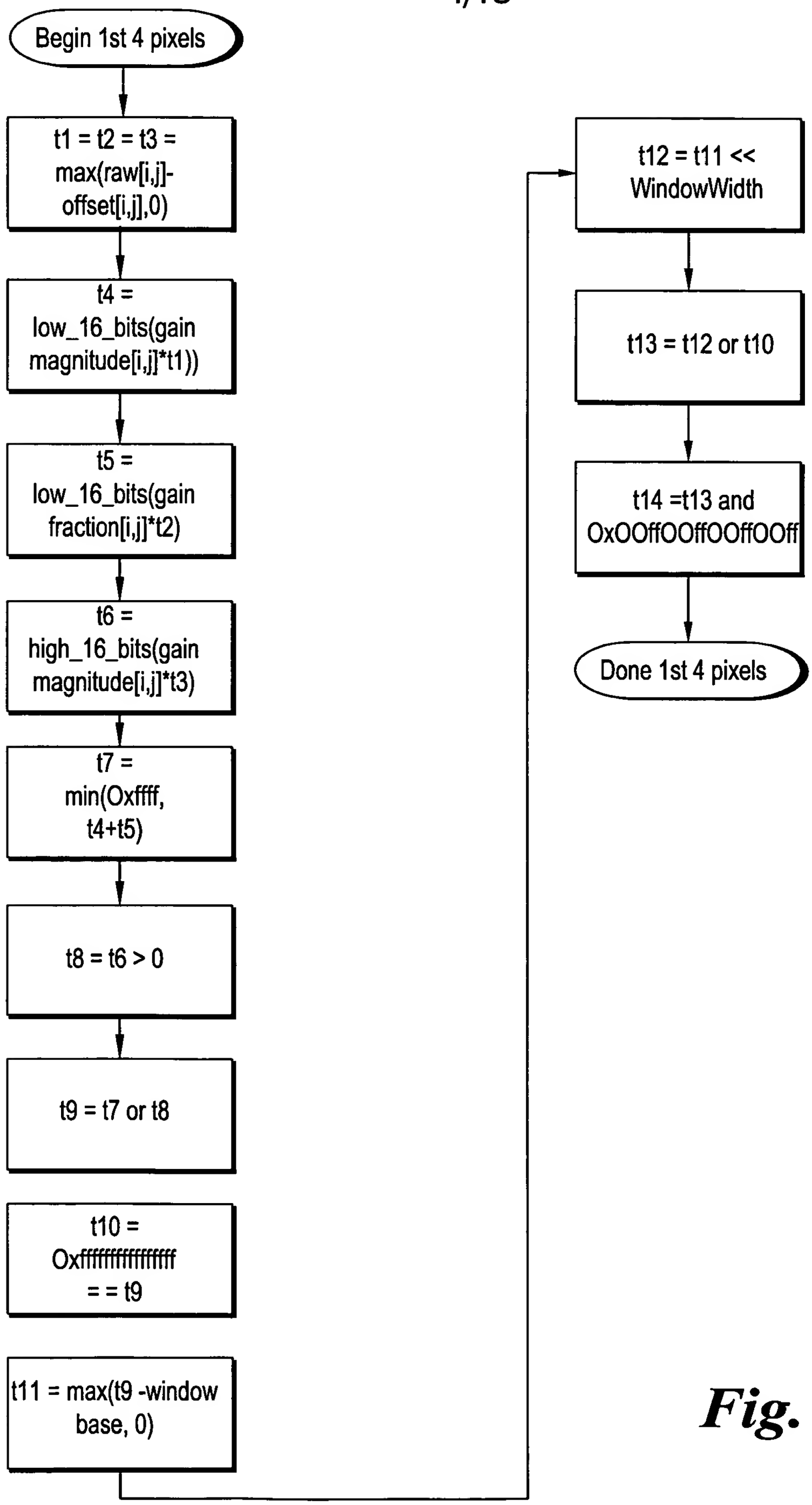


Fig. 4

US 6,950,558 B2

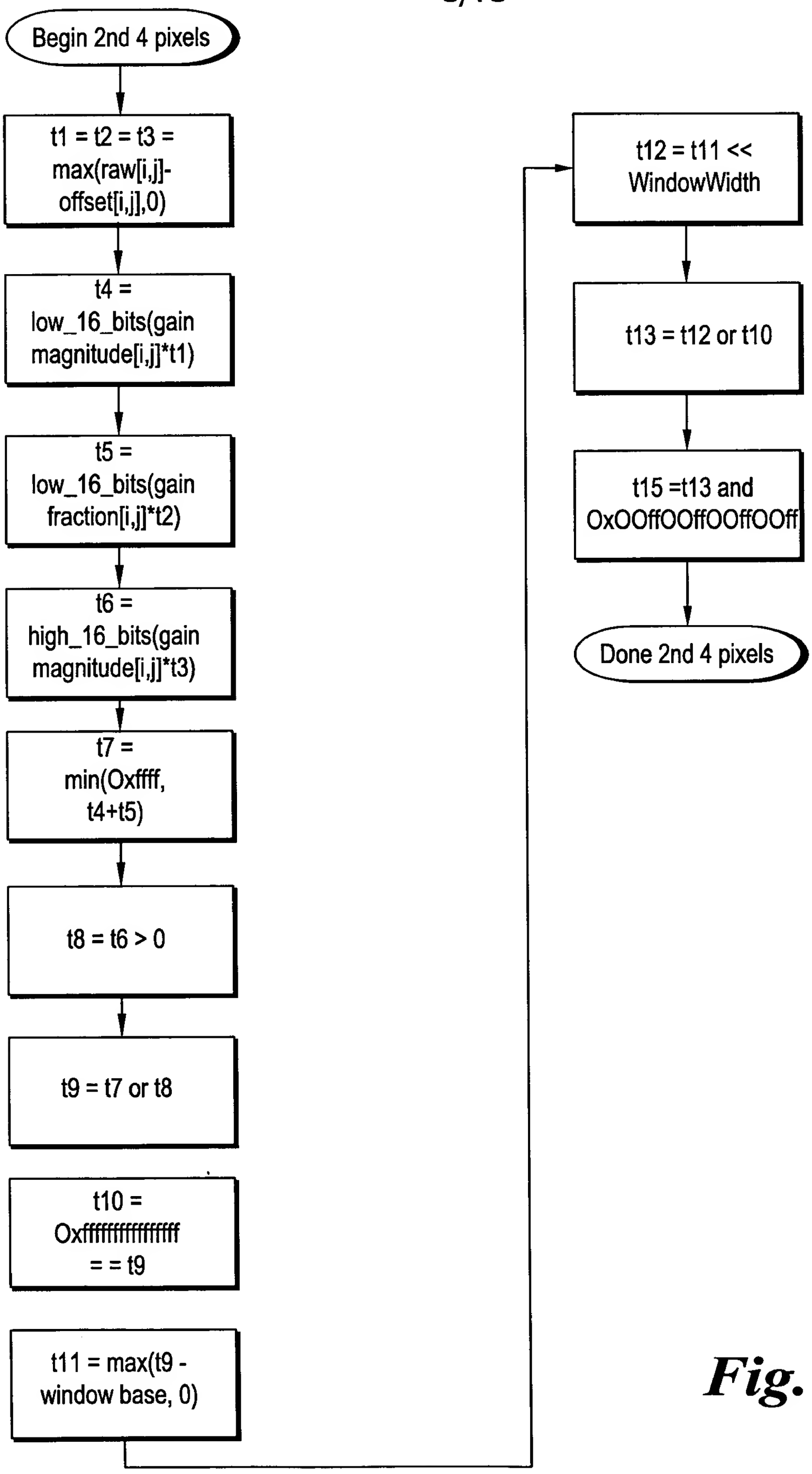


Fig. 5

EXHIBIT 1009 - 95/000,269

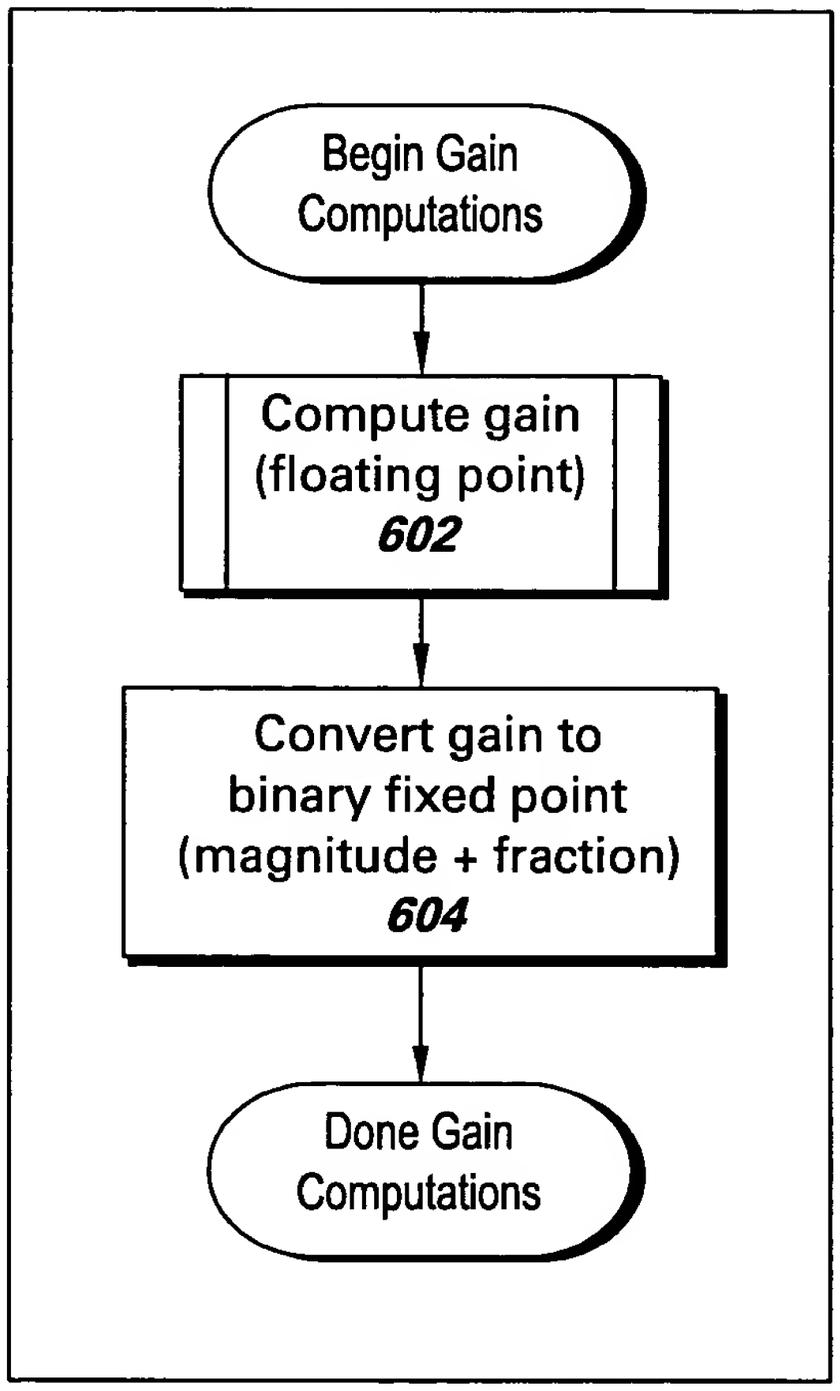


Fig. 6

Exhibit 1020 - Page 0020

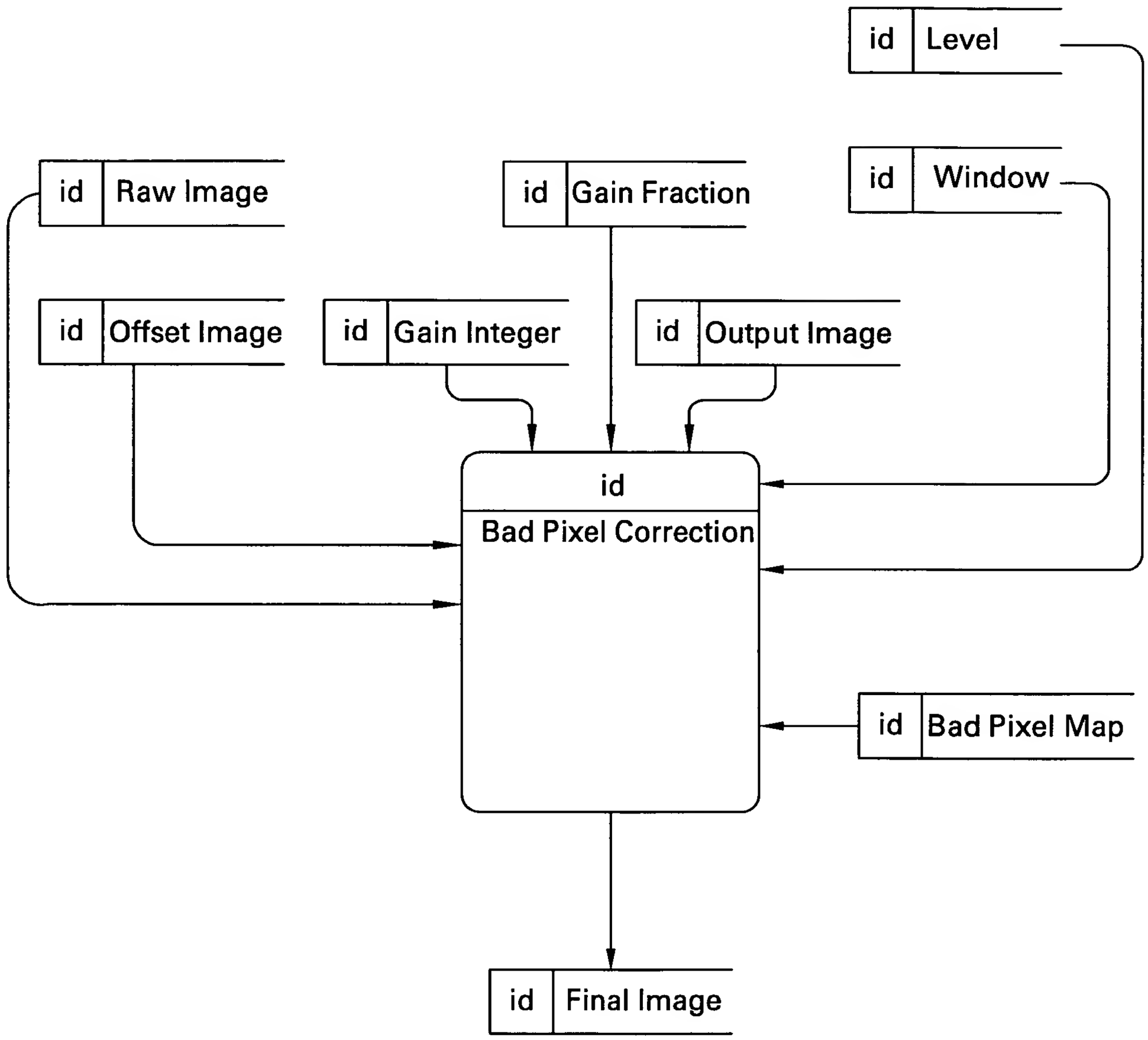

id
Level
id
Raw Image
id
Gain Fraction
id
Window
id
Offset Image
id
Gain Integer
id
Output Image
id
Bad Pixel Correction
id
Bad Pixel Map
id
Final Image

Fig. 7

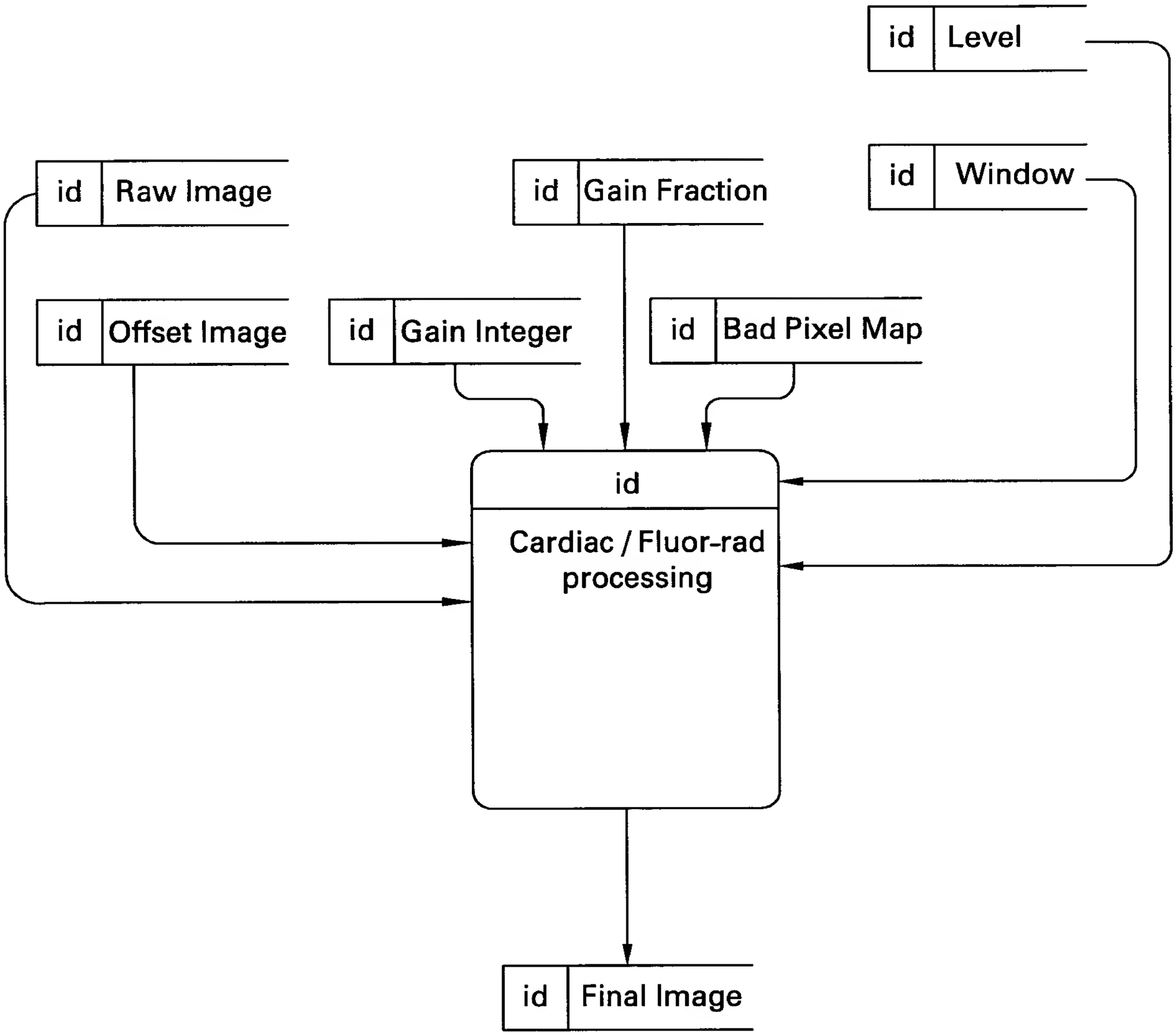

id
Level
id
Window
id
Raw Image
id
Gain Fraction
id
Offset Image
id
Gain Integer
id
Bad Pixel Map
id
Cardiac / Fluor-rad processing
id
Final Image

Fig. 8

T0660 S902680

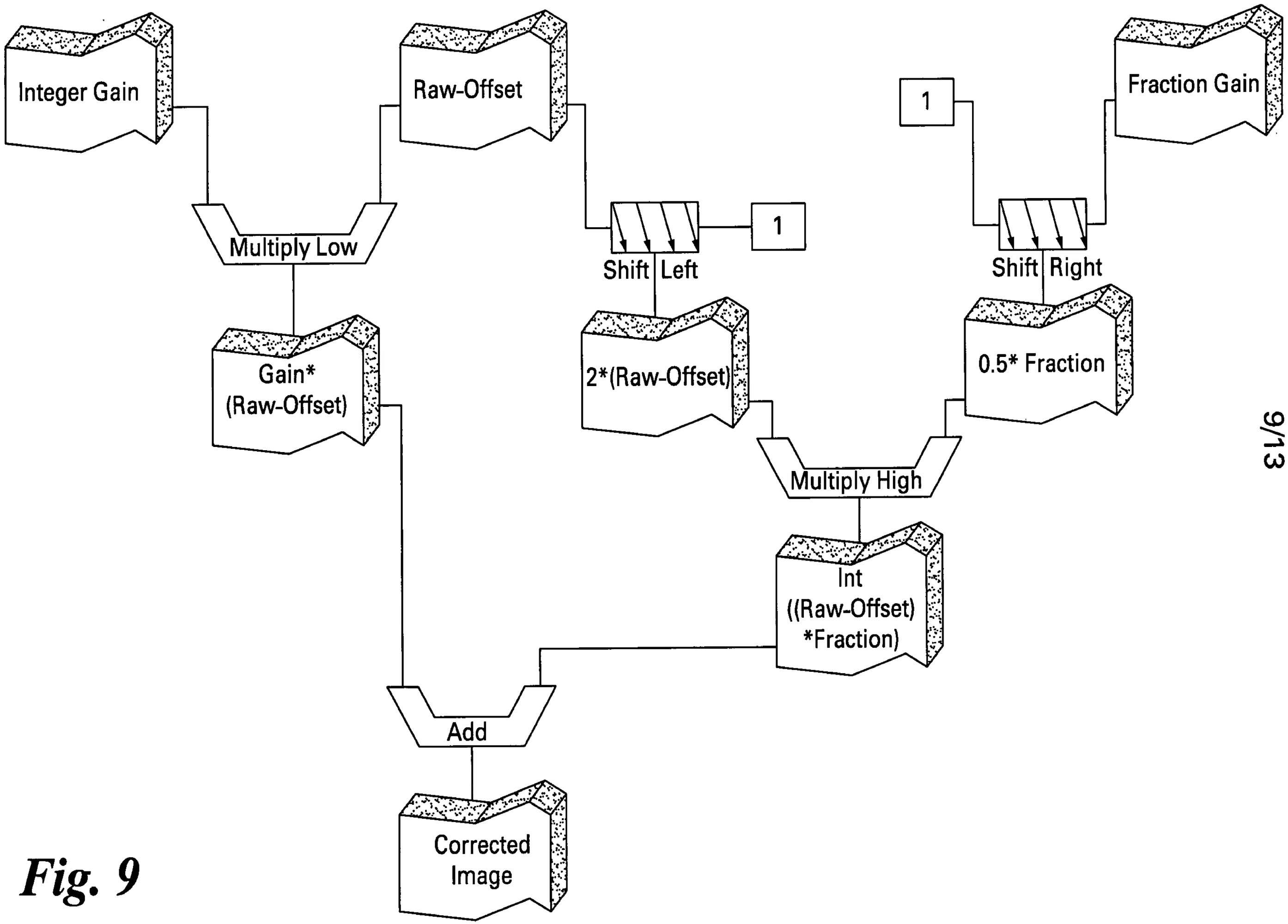


Fig. 9

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DOCKET NO: RD-27,478
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T0160 "5906860

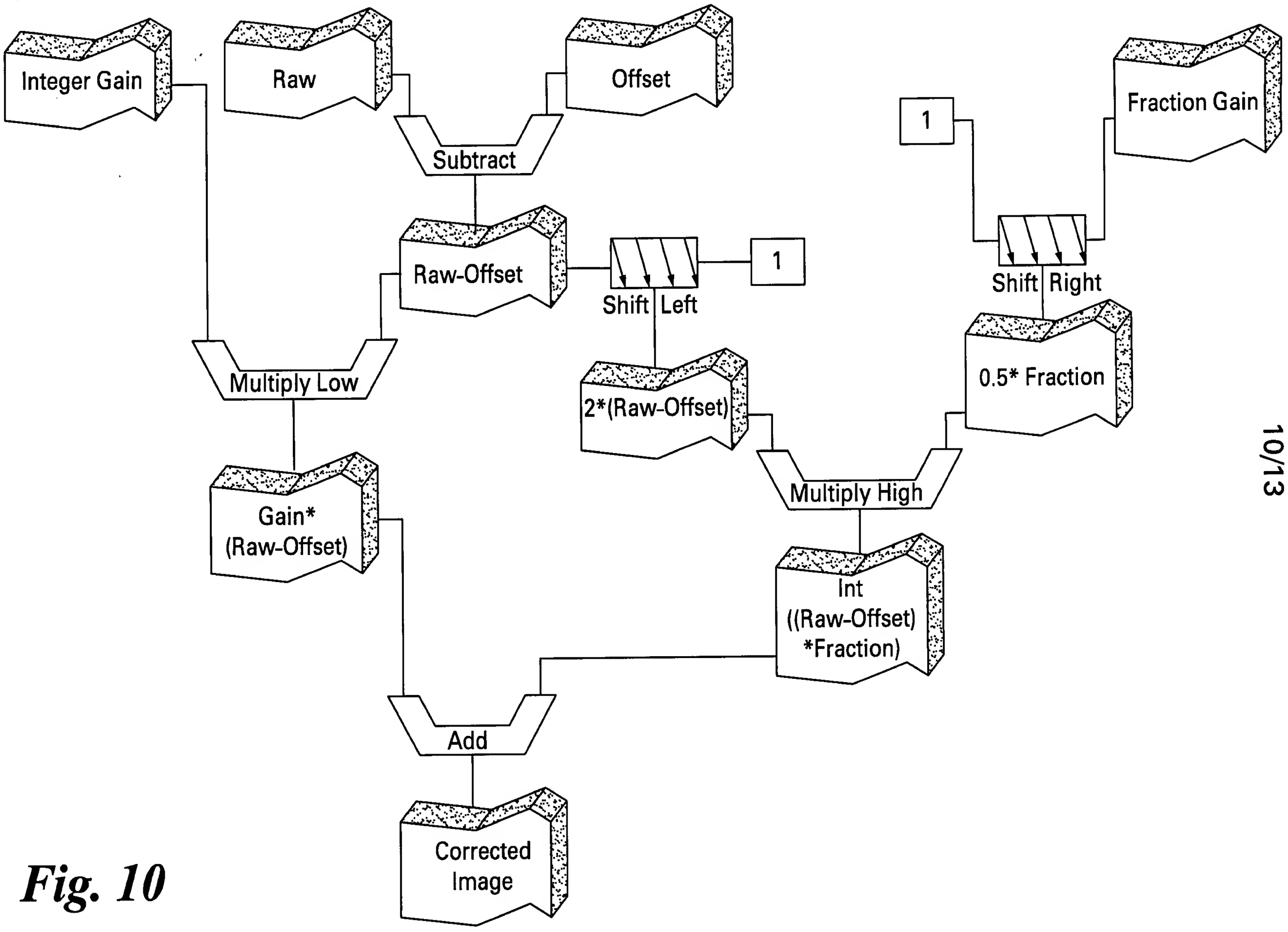

Fig. 10

10/13
09/893,065
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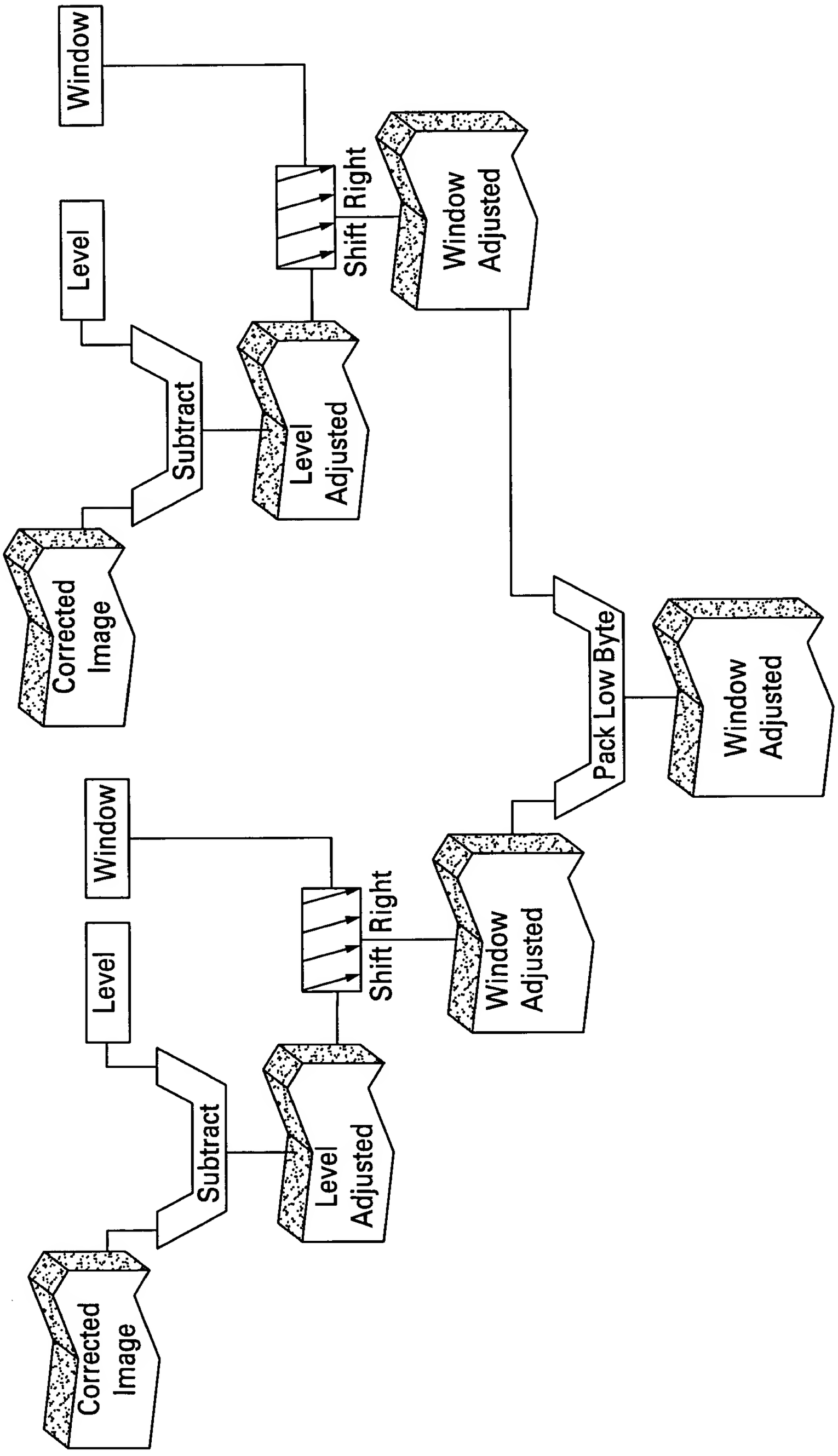
Window
Level
Shift Right
Window Adjusted
Subtract
Level Adjusted
Corrected Image
Pack Low Byte
Window Adjusted
Window
Level
Shift Right
Window Adjusted
Subtract
Level Adjusted
Corrected Image

Fig. 11

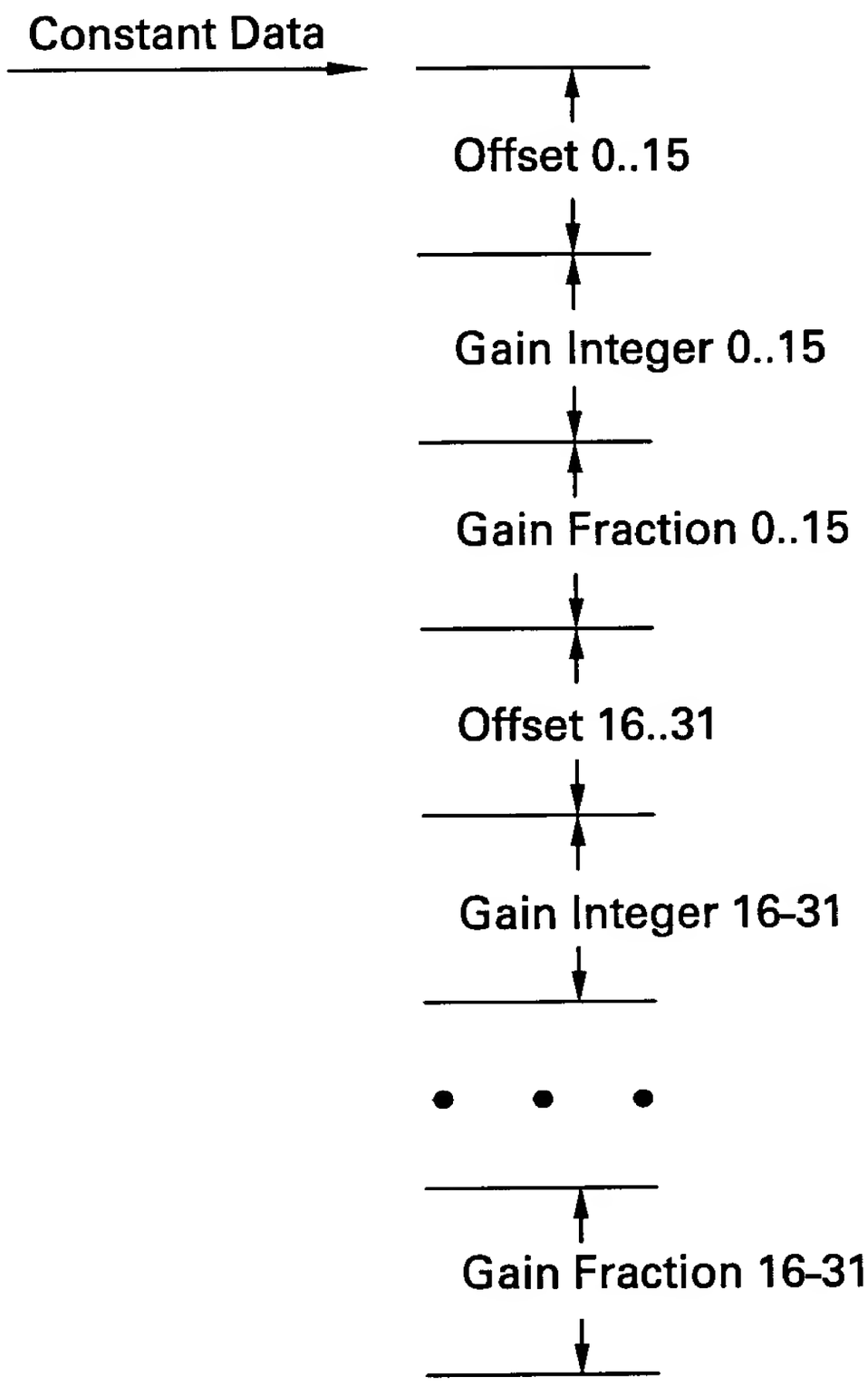

Fig. 12

TO-DO-TOO "9505050505

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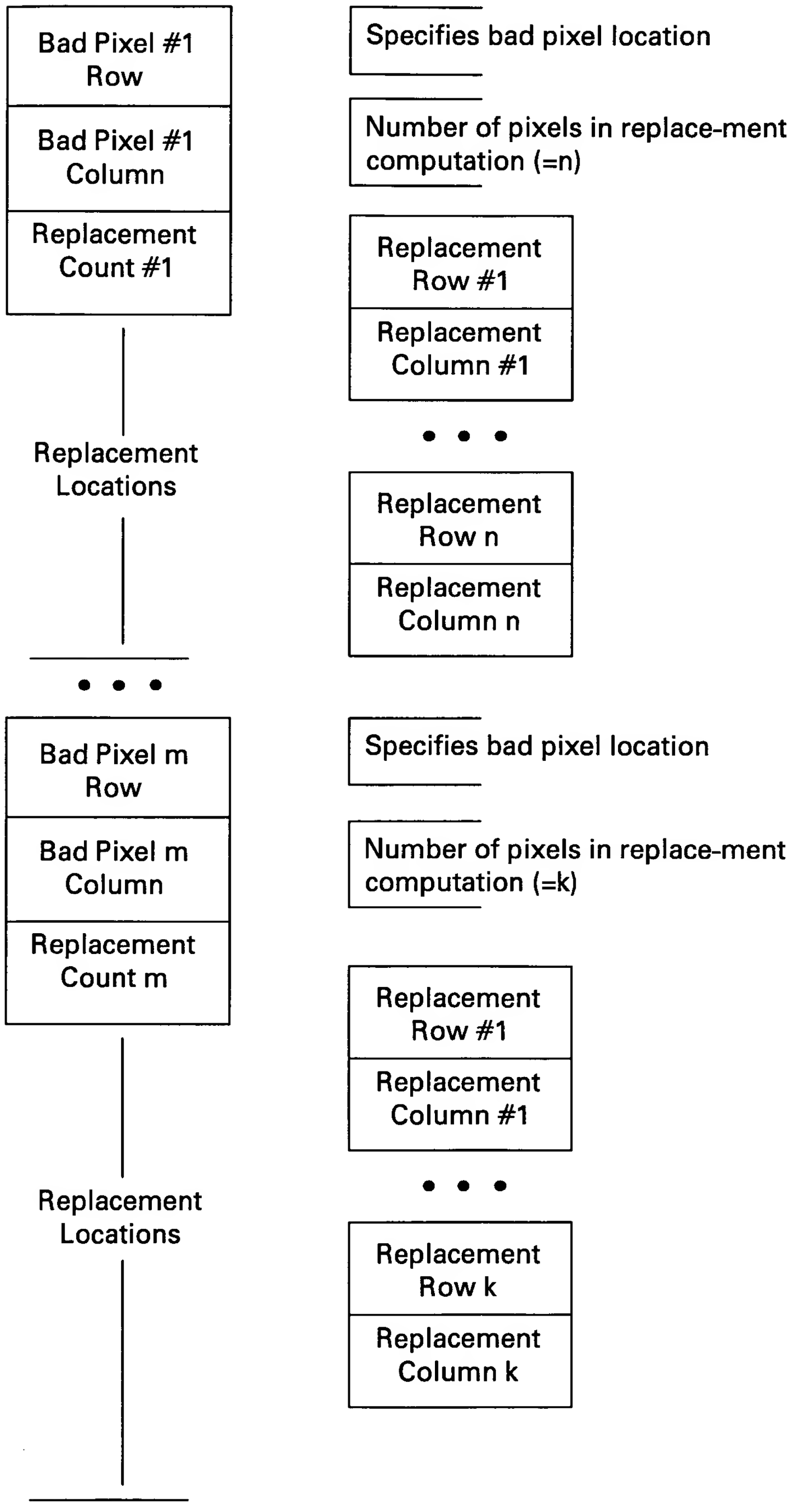
Fig. 13